

Rental Car System

- Assume you have cars of several "Types" such as economy, mid-size, luxury, van, SUV, pickup etc in your inventory.
- Each type of car should have a different rental fee per day.
- Rental fee depends on number of days, mileage, insurance, and use of gas.
- Every hour late should be charged 50 TL till the late fee equals one-day rent.
- The system should have the following functionalities....

Reservation:

- The system should be equipped to answer Customer's inquiries about the availability and rental fee of various "types" of cars for certain dates in the future.
- When the customer decides about the "Type" of car and the Dates, the system should be able to "Reserve" or "Earmark" the requested type of car for requested dates.
- The customer should be given a "Confirmation Number".

Pick Up:

- The system should be able to process a Car Pick Up.
- Customer walks in and supplies either the confirmation number, or name.
- The system should pull up all the reservation information about this customer.
- The customer is then asked to supply a credit card and drivers' license. When these two things are verified, a specific car is assigned.
- Mileage of the assigned car is noted.
- The customer is also asked if they want to buy insurance.

Return:

- The system should be able to process a return.
- The system should record the date, time, mileage and gas.
- Depending on these parameters, the system should calculate the final rental amount.

Reports:

- The system should provide the management with useful reports and queries to help them run their business better.

